CLAIMS

1. A computer system for analyzing text in one or more electronic documents, comprising:

one or more system interfaces; and

an affix process that determines one or more affixes of one or more words in one or more of the documents and provides the affixes to the system interface.

2. A system, as in Claim 1, where one or more of the affixes are nested affixes, each nested affix comprising one or more affixes.

3. A system, as in Claim 1, where the affix process determines one or more suffixes of one or more of the words.

4. A system, as in Claim 3, where one or more of the suffixes are nested suffixes, each nested suffix comprising one or more suffixes.

5. A system, as in Claim 1, where the affix process determines one or more infixes of one or more of the words.

6. A system, as in Claim 5, where one or more of the infixes are nested infixes, each nested infix comprising one or more infixes.

7. A system, as in Claim 1, wherein the affix process determines one or more prefixes of one or more of the words.

8. A system, as in Claim 7, wherein one or more of the prefixes are nested prefixes, each nested prefix comprising one or more prefix.

9. A system, as in Claim 1, where the interface compiles a list of affixes that are in one or more of the documents.

10. A system, as in Claim 1, where the affixes are not listed in a dictionary that is accessible to the system.

11. A system, as in Claim 1, where the system interface is any one or more of the following: a graphical user interface, a print out, an interface to a text analysis system.

12. A system, as in Claim 1, where the affix process uses a Patricia tree to show substrings of words.

13. A method for analyzing text in one or more electronic documents, comprising the steps:

using a computer system to perform an affix process that determines one or more affixes of one or more words in one or more of the electronic documents; and

providing the determined one or more of the affixes to an interface of the computer system for display to a user.

14. A method according to Claim 13, wherein at least one of the affixes is a nested affix including a plurality of affixes.

15. A method according to Claim 13, further comprising the step of, said interface compiling a list of the determined one or more affixes.

16. A method according to Claim 13, wherein the using step includes the step of using a Patricia tree to show substrings of words.

17. A method according to Claim 13, wherein the using step includes the steps of, for each of a set of said words,

adding the words into a prefix Patricia tree;

reversing the word; and

adding the reversed word into a suffix Patricia tree.

18. A method according to Claim 17, wherein the using step includes the further step of, for the words in said set of words, using the Patricia trees to generate all potential affixes in said set of words.

19. A method according to Claim 18, wherein the using step includes the further step of counting stems, which meet defined criteria, for the affixes for the words in said set of words.

20. A method according to Claim 18, wherein the using step includes the further step of disambiguating at least some of the potential affixes to identify nested affixes.

21. A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for analyzing text in one or more electronic documents, said method steps comprising:

using a computer system to perform an affix process that determines one or more affixes of one or more words in one or more of the electronic documents; and

providing the determined one or more of the affixes to an interface of the computer system for display to a user.

22. A program storage device according to Claim 21, wherein at least one of the affixes is a nested affix including a plurality of affixes.

23. A program storage device according to Claim 21, further comprising the step of, said interface compiling a list of the determined one or more affixes.

24. A program storage device according to Claim 21, wherein the using step includes the step of using a Patricia tree to show substrings of words.

25. A program storage device according to Claim 21, wherein the using step includes the steps of, for each of a set of said words,

adding the words into a prefix Patricia tree;

reversing the word; and

adding the reversed word into a suffix Patricia tree.

26. A program storage device according to Claim 25, wherein the using step includes the further step of, for the words in said set of words, using the Patrician trees to generate all potential affixes in said set of words.

27. A program storage device according to Claim 26, wherein the using step includes the further step of counting stems, which meet defined criteria, for the affixes for the words in said set of words.

28. A program storage device according to Claim 27, wherein the using step includes the further step of disambiguating at least some of the potential affixes to identify nested affixes.